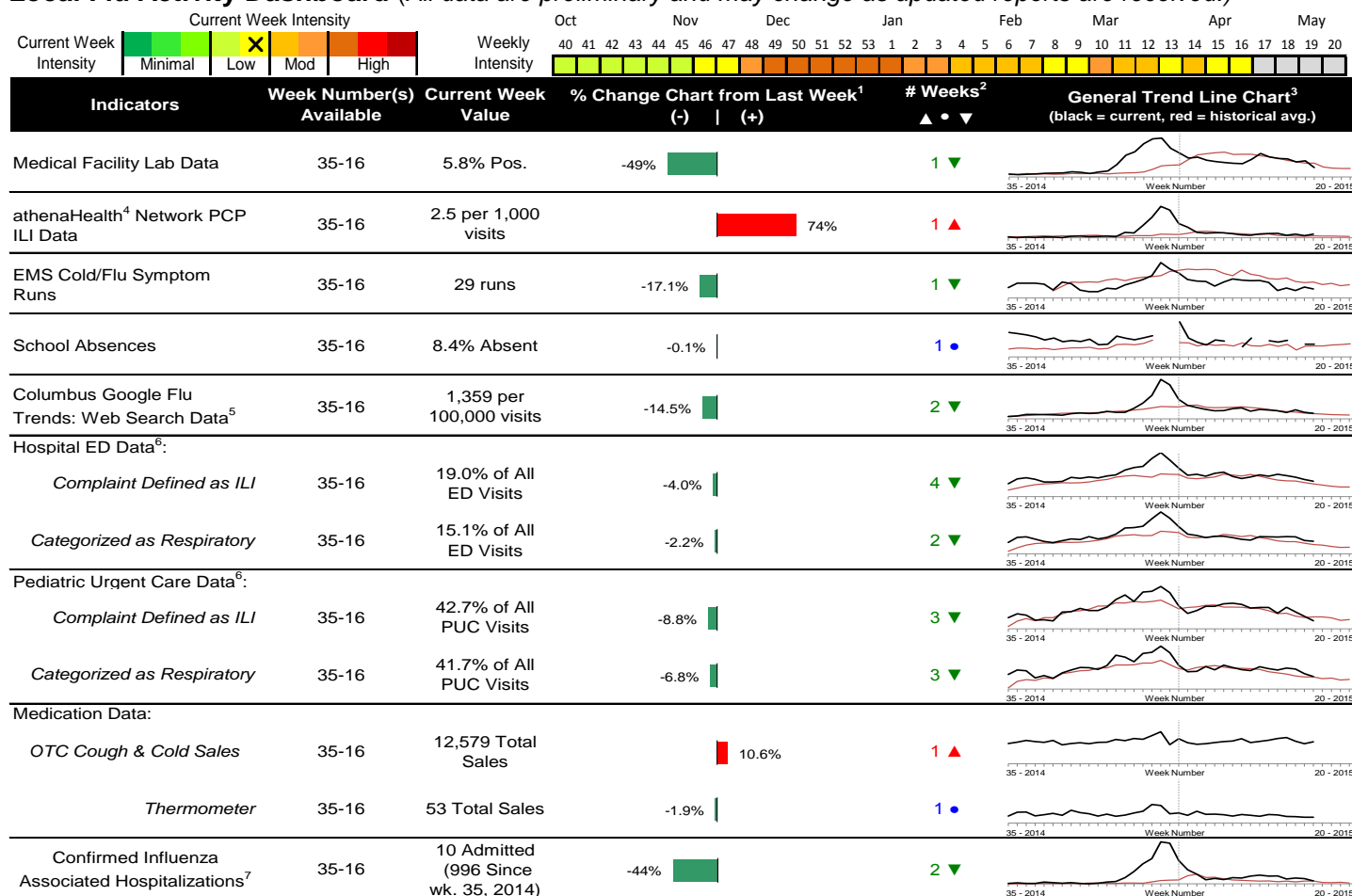


Highlights

- In week 16 of 2015, local flu activity continued to decrease.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = REGIONAL, LOW
- Local medical facility labs reported 708 tests run with 41 (5.8%) positive results for week 16 of 2015. This is lower than last week's 11.4% and is lower than the weekly baseline.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased slightly compared to week 15. The percentages of ED visits for ILI and respiratory symptoms are close to their respective weekly baseline averages.
- In week 16 of 2015, trends for the local over-the-counter medication sales tracked were mixed (decrease in electrolyte sales; increase in cough and cold, pediatric anti-fever, adult anti-fever, and throat lozenge sales; stable thermometer and chest rub sales) compared to last week.
- Nationally in week 16, influenza activity continued to decrease. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

Local Flu Activity Dashboard *(All data are preliminary and may change as updated reports are received.)*



Reportable Conditions (Cumulative Numbers as of May 1, 2015, 9:00 AM)	2010	2011	2012	2013	2014	2015 YTD
Pediatric Influenza Associated Death Reported by Year (based on date of death)	0	0	0	0	0	0
Influenza Associated Hospitalizations (IAH) Reported by Admission Year ⁷	35	266	394	300	939	480
IAH comparison by Season (October - May or Weeks 35 - 20)	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Current season (2014-15) is from week 35 through 16.	458	286	95	512	486	996

¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: athenaHealth, Inc. and their analytics and research team athenaResearch (www.athenahealth.com). Rate of ILI visits to Franklin County, OH, athenaHealth network's primary care practices/physicians using claims data.

⁵Data Source: Google Flu Trends (www.google.org/flutrends), City = Columbus, OH. See website for additional details.

⁶Franklin County, OH residents only (based on zipcode).

⁷Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 16 of 2015, 8.5% of all Columbus deaths were attributed to pneumonia and influenza. Nationally, 6.7% of deaths reported were attributed to pneumonia and influenza in week 16. This national percentage is below the national epidemic threshold of 6.9% for week 16.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 16, the preliminary local influenza-like-illness (ILI) visit rate to athenaHealth providers (2.5 per 1,000 visits) increased compared to the previous week and is above the baseline average for the week (Figure 1). The week 16 percentage of Emergency Department (ED) visits for ILI symptoms was slightly lower than the previous week (Figure 3) and is close to the historic baseline for the week. Pediatric urgent care visits for ILI symptoms decreased compared to the previous week and is below the historic baseline for the week.

Nationally, during week 16 of 2015, 1.4% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.0%.

Laboratory Surveillance

During week 16 of 2015, reporting Franklin County sentinel medical facility laboratories tested 708 specimens, with 41 (5.8%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 16 of 2015 is 43,361 with 6,774 (15.6%) positives (5,224 type A, 1,522 type B, 24 both A and B, 4 type unknown).

Nationally in week 16 of 2015, WHO and NREVSS laboratories reported 8,294 specimens tested for influenza viruses, 542 (6.5%) of which were positive (visit the CDC website for more info). The last 3 weeks available national breakdown by type and subtype from the CDC is shown in Table 1 below:

Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs)

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
14	185 (13.1%)	0 (0%)	6 (3.2%)	74 (40%)	0 (0%)	0 (0%)	105 (56.8%)	1226 (86.9%)	14089	10.01
15	126 (12.6%)	0 (0%)	9 (7.1%)	43 (34.1%)	0 (0%)	0 (0%)	74 (58.7%)	876 (87.4%)	12332	8.12
16	61 (11.3%)	0 (0%)	1 (1.6%)	24 (39.3%)	0 (0%)	0 (0%)	36 (59%)	481 (88.7%)	8294	6.53

ODH lab results for Ohio cases that are PCR positive for seasonal influenza during the 2014-15 season. Positive results: (2) A/pdmH1N1; (1009) A/H3N2; (59) Influenza B (through 04/25/15).

ED and Pediatric Urgent Care Respiratory Visits

In the 16th week of 2015, the percentage of all ED visits categorized as *respiratory* decreased slightly compared to the percentage seen the previous week and is close to its historic baseline for the week (Figure 5). The percentage of Pediatric urgent care visits for respiratory symptoms decreased compared to the previous week, and is similar to its historic baseline for the week.

Over-the-Counter (OTC) Medication Sales

In week 16 of 2015, trends for the local over-the-counter medication sales tracked were mixed (decrease in electrolyte sales; increase in cough and cold, pediatric anti-fever, adult anti-fever, and throat lozenge sales; stable thermometer and chest rub sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

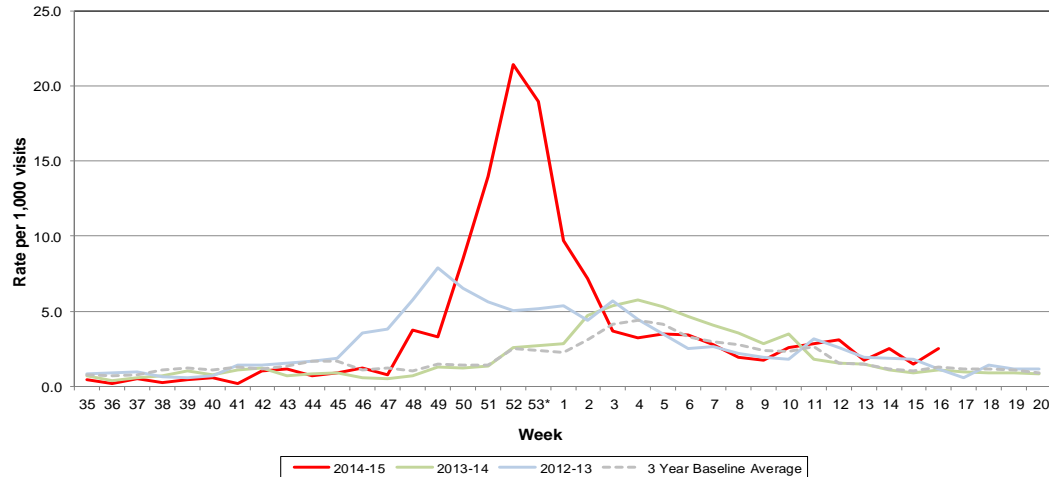
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

Columbus & Franklin County Influenza Monitoring Summary – Week 16, 2015 (4/19/2015-4/25/2015)

Figure 1: athenahealth Network Primary Care Physician Influenza-Like-Illness Visit Rate†, Franklin County, OH



†Source: Claims data from athenahealth, Inc. and their analytics and research team, athenaResearch (www.athenahealth.com/blog/category/analytics-research)
Note: athenaHealth claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local and National ILI Outpatient CDC Sentinel Health Care Provider Site visits, 2014-15

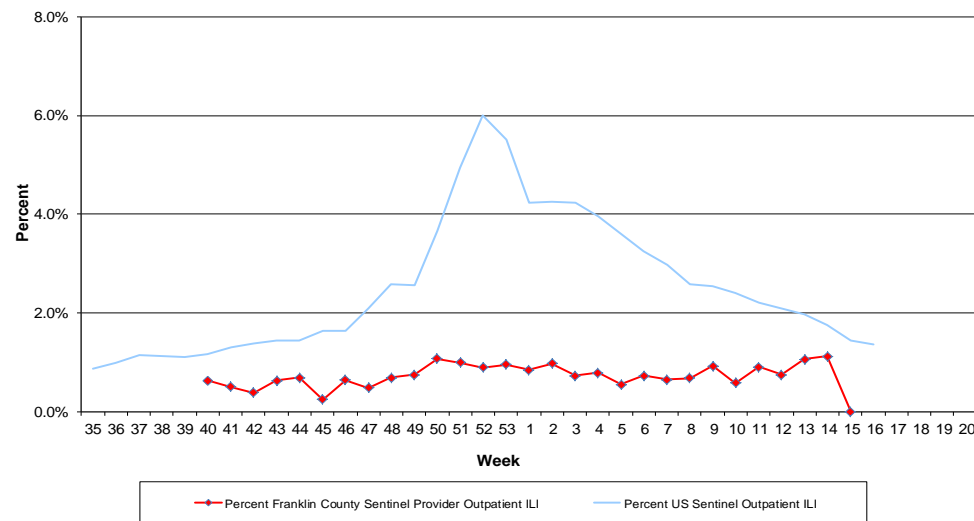
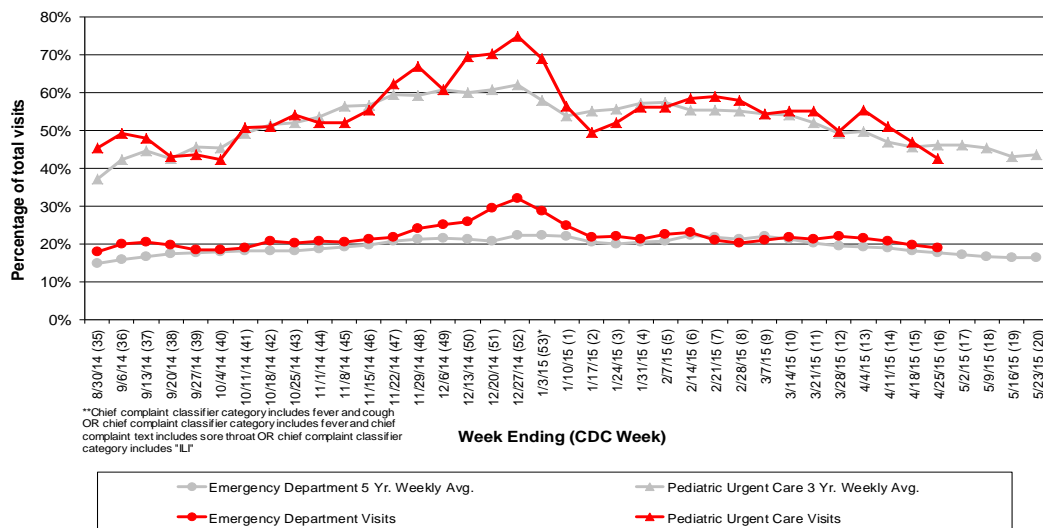
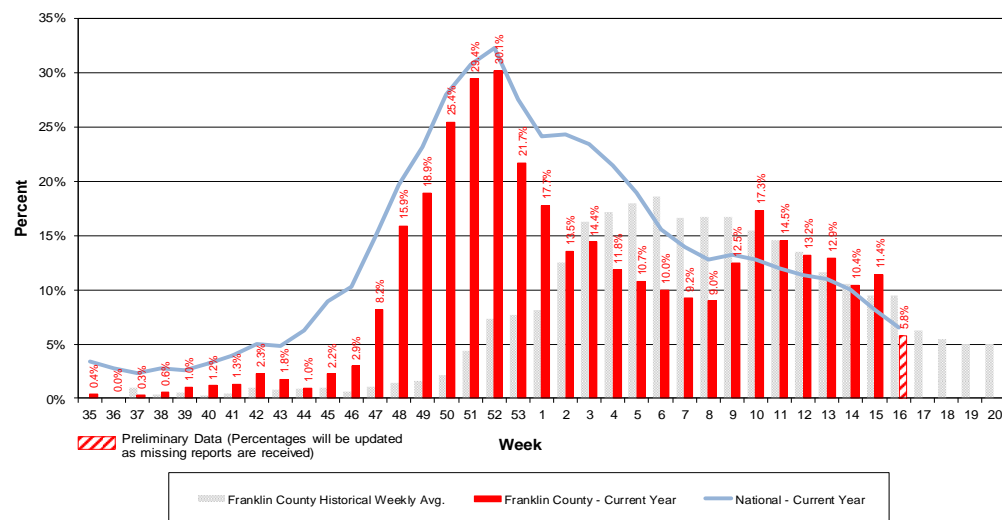


Figure 3: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH**



** Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2014-15



/// Preliminary Data (Percentages will be updated as missing reports are received)

*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.

Columbus & Franklin County Influenza Monitoring Summary – Week 16, 2015 (4/19/2015-4/25/2015)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH

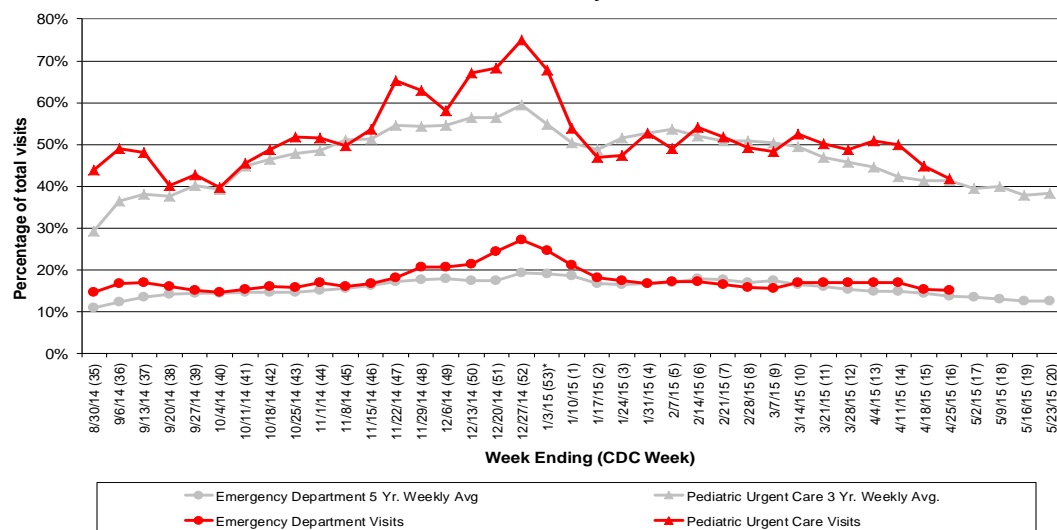


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2014-15, Franklin County, OH

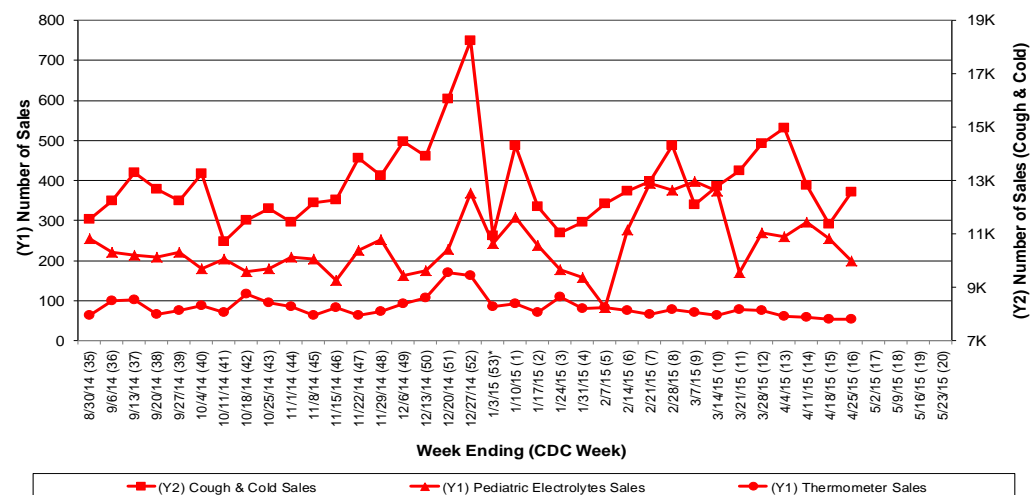
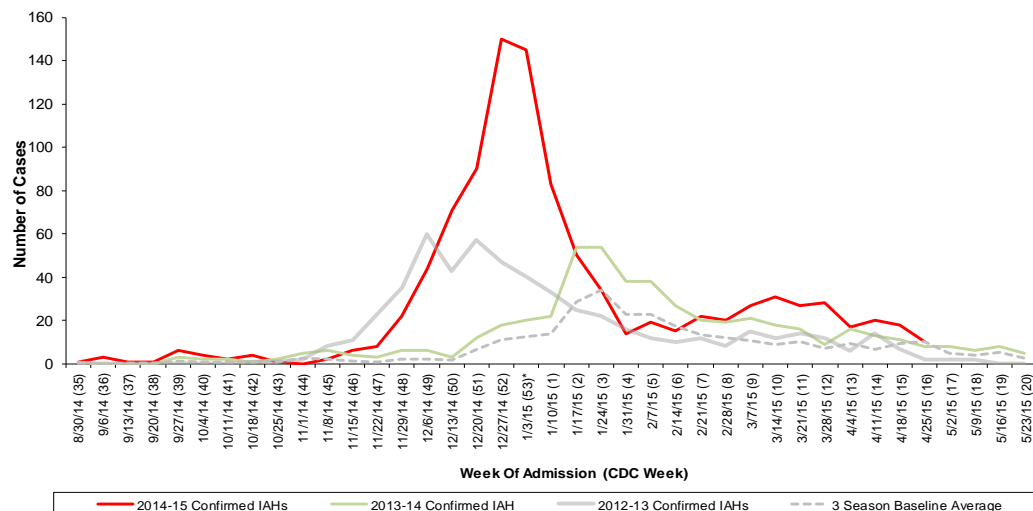
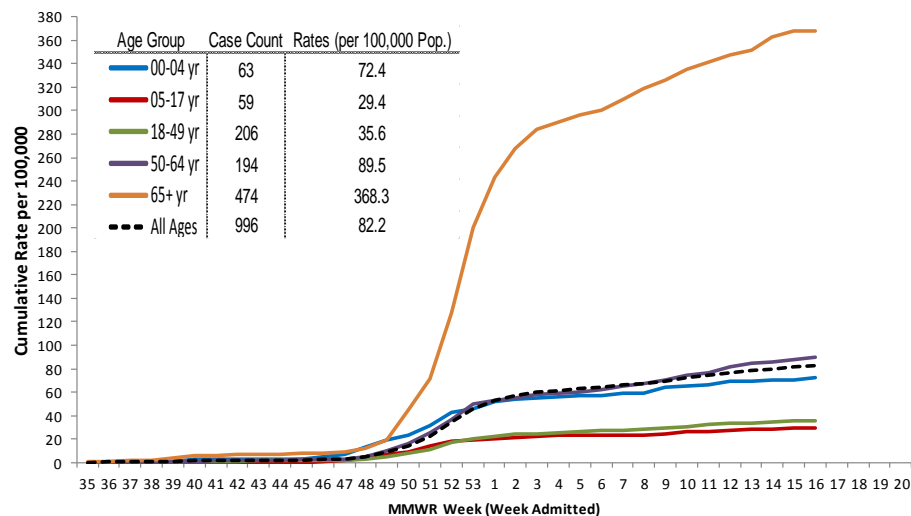


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 5/1/2015)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2014-2015 Season



*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.